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5 December 1963

MEMORANDUM FOR: Assistant for Plans and Development

ATTENTION:

THROUGH: Chief, Development Branch

SUBJECT: Procurement of Photography

1. A review has been made of the III-A and III-B Camera Systems and it is concluded that the only photography that is acceptable for use with the Multiple Image Correlator is the 60° and 70° oblique positions.
2. The Multiple Image Correlator requires photography taken from the same camera station. This may be accomplished by the camera system tilted in the 70° and, hopefully, the 60° oblique angles in a Mode III cycling rate (2 frames per second). In addition, the simulation of the same camera station would have to incorporate the use of the attitude stabilized mount of the main camera of Camera System III-B. Another requirement is that the photographic images be "grain-limited" and not "lens-limited". The static resolving power of the lens at 120 l/mm is better than that of systems used to date with the MIC. Expected results, therefore, should be much better than heretofore achieved.
3. In view of the immediate requirement for this type of photography, it is requested that frame bursts of at least 12 exposures be taken in Mode III at a 60° oblique angle from the vertical, and that frame bursts of at least 12 exposures be taken in Mode III at a 70° oblique angle from the vertical. Photography, to be valuable in this effort, should be taken over both sparse and highly concentrated cultural areas and at 75,000 feet altitude.
4. The photography taken for use in the Multiple Image Correlator will have to be expendable. This is required since the film chips to be used are approximately one (1) inch in diameter and the 4.5 x 4.5 inch frame cannot be used as toto.
5. It would be appreciated if arrangements could be made at your earliest convenience for procurement of this photography.



Development Branch, PADS



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